

**ABSTRACT OF THE DISCLOSURE**

A diesel engine fuel injection strategy comprises injecting fuel into a cylinder (28) during a compression upstroke of a piston (30) that reciprocates within the cylinder and creating pressure sufficient to initiate combustion of the injected fuel. As the fuel is combusting, more fuel is injected at a controlled rate of injection to cause further combustion of fuel in a manner that upon substantially peak in-cylinder pressure being attained is effective to prolong that peak in-cylinder pressure such that a trace (62B) of pressure vs. crank angle would contain a distinct plateau (62P) representing the prolonged peak pressure.